

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) The mixture for under-pressure carburizing employing hydrocarbons is characterized in that it contains the carbon carrier in the form of ~~two unsaturated hydrocarbons~~ acetylene and ethylene in the proportion of ~~0.1 to 2.0~~ 0.55 to 2.0, where the said carbon carrier can be further mixed with other components modifying the carburizing process.

2. (Currently Amended) The mixture for under-pressure carburizing according to claim 1 is characterized in that it is beneficial and preferable to have the said hydrocarbons in the proportion of from ~~0.15 to 2.0~~ 0.55 to 1.0.

3. (Canceled)

4. (Original) The mixture for under-pressure carburizing according to claim 1 is characterized in that the said carbon carrier can be mixed with hydrogen in the proportion from 0.7 to 1.6.

5. (Original) The mixture for under-pressure carburizing according to claim 1 is characterized in that the said carbon carrier can be mixed with ammonia in the proportion from 0.7 to 5.0.